

MASSARA, A. et al.
Serial No. unknown

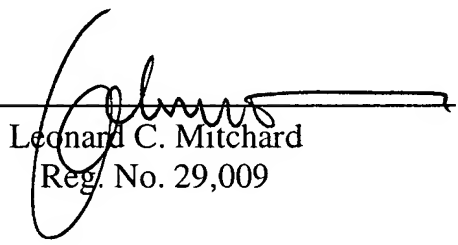
REMARKS

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page(s) is captioned "Version With Markings To Show Changes Made."

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____


Leonard C. Mitchard
Reg. No. 29,009

LCM:ecb
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

VERSION WITH MARKINGS TO SHOW CHANGES MADE**IN THE SPECIFICATION**

Page 1, before the first line, please insert as a separate paragraph:

This application is the US national phase of international application PCT/GB00/03483 filed 08 September 2000, which designated the US.

IN THE CLAIMS

3. An optical device as claimed in claim 1 ~~or 2~~, wherein the two-dimensional array is in a plane parallel to the active layer and extends to a depth comparable to that of the active layer.

4. An optical device as claimed in claim 1, ~~2 or 3~~, wherein the individual elements are holes.

7. An optical device, as claimed in ~~one of claims 4 to 6~~, wherein the holes extend to a depth comparable to that of the active layer in a direction that is perpendicular to the plane parallel to the active layer.

8. An optical device, as claimed in ~~one of claims 4 to 6~~, wherein the holes extend to a depth comparable to that of the active layer in a direction that is not perpendicular to the plane parallel to the active layer.

MASSARA, A. et al.

Serial No. unknown

9. An optical device, as claimed in ~~one of claims 4 to 8~~, wherein the holes are regions of different refractive index to that of the device structure.

10. An optical device, as claimed in ~~one of claims 4 to 9~~, wherein the holes are regions of different gain or loss to that of the device structure.

11. An optical device, as claimed in ~~one of claims 3 to 10~~, wherein the distributed reflector does not pierce the active region.

12. An optical device, as claimed in ~~one of claims 3 to 10~~, wherein the distributed reflector partially pierces the active region.

13. An optical device, as claimed in ~~one of claims 3 to 10~~, wherein the distributed reflector fully pierces the active region.

14. An optical device, as claimed in ~~any preceding claim 1~~, wherein the distributed reflector is within the device.

17. An optical device as claimed in ~~any preceding claim 1~~, with means for varying the electrical bias or biases applied to the device to obtain efficient optical emission in single wavelength operation.

MASSARA, A. et al.

Serial No. unknown

19. An optical device, as claimed in ~~any preceding claim~~ 1, which is integrated with separate amplifying, absorbing or passive sections.

21. An optical device, as claimed in ~~a in any preceding claim~~ 1, with means for being pulsed by gain switching, Q-switching or mode-locking techniques.